

FORM PTO-1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO. 07/938	SERIAL NO. 07/938,154
	APPLICANT HARPOLD et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE 30-NOV-1992	GROUP

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
	AC						
	AD						

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages)

98	AE	Anand and Lindstrom, "Nucleotide sequence of the human nicotinic acetylcholine receptor β 2 subunit gene," <i>Nucleic Acids Research</i> , 18:4272 (1990)
98	AF	Beeson et al., "The human muscle nicotinic acetylcholine receptor α -subunit exists as two isoforms: a novel exon," <i>The EMBO Journal</i> 9:2101-2106 (1990)
98	AG	Boulter et al., "Functional expression of two neuronal nicotinic acetylcholine receptors from cDNA clones identifies a gene family," <i>Proc. Natl. Acad. Sci, USA</i> , 84:7763-7767 (1987)
98	AH	Boulter et al., "Isolation of a cDNA clone coding for a possible neural nicotinic acetylcholine receptor α -subunit," <i>Nature</i> , 319:368-374 (1986)
98	AI	Claudio et al., "Genetic Reconstitution of Functional Acetylcholine Receptor Channels in Mouse Fibroblasts, " <i>Science</i> 238: 1688-1694 (1987)
98	AJ	Clementi et al., "Pharmacological Characterization of Cholinergic Receptors in a Human Neuroblastoma Cell Line," <i>Journal of Neurochemistry</i> , 47:291-297 (1986)
98	AK	Conti-Tronconi et al., "Brain and muscle nicotinic acetylcholine receptors are different but homologous proteins," <i>Proc. Natl. Acad. Sci. USA</i> , 82:5208-5212 (1985)

FORM PTO-1449 US Department of Commerce Patent and Trademark Office		ATTY DOCKET NO. 241 9380	SERIAL NO. 07/938,154
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT HARPOLD et al.	
		FILED DATE 30-NOV-1992	GROUP

98	AL	Couturier et al., "A Neuronal Nicotinic Acetylcholine Receptor Subunit ($\alpha 7$) Is Developmentally Regulated and Forms a Homo-Oligomeric Channel Blocked by α -BTX," <i>Neuron</i> , 5:847-856 (1990)
98	AM	Dascal, "The Use of <i>Xenopus</i> Oocytes for the Study of Ion Channels," <i>CRC Critical Reviews in Biochemistry</i> , 22:317-387 (1987)
98	AN	Deneris et al., " β_3 : A New Member of Nicotinic Acetylcholine Receptor Gene Family Is Expressed in Brain," <i>The Journal of Biological Chemistry</i> , 264:6268-6272 (1989)
98	AO	Deneris et al., "Pharmacological and functional diversity of neuronal nicotinic acetylcholine receptors," <i>TIPS</i> , 12:34-40 (1991)
98	AP	Deschamps et al., "Identification of a Transcriptional Enhancer Element Upstream from the Proto-Oncogene <i>fos</i> ," <i>Science</i> , 230:1174-1178 (1985)
98	AQ	Doolittle, <u>OF URFS AND ORFS</u> , University Science Books, Mill Valley, 10-15 (1986)
98	AR	Duvoisin et al., "The Functional Diversity of the Neuronal Nicotinic Acetylcholine Receptors Is Increased by a Novel Subunit: β_4 ," <i>Neuron</i> , 3:487-496 (1989)
98	AS	Fornasari et al., "Molecular cloning of human neuronal nicotinic receptor α_3 -subunit," <i>Neuroscience Letters</i> , 111:351-356 (1990)
98	AT	Goldman et al., "Members of a Nicotinic Acetylcholine Receptor Gene Family Are Expressed in Different Regions of the Mammalian Central Nervous System," <i>Cell</i> , 48:965-973 (1987)
98	AU	Ishikawa et al., "Acetylcholine Receptors of Human Skeletal Muscle: a Species Difference Detected by Snake Neurotoxins," <i>Brain Research</i> , 346:82-88 (1985)
98	AV	Kurosaki et al., "Functional properties of nicotinic acetylcholine receptor subunits expressed in various combinations," <i>FEBS LETTERS</i> , 214:253-258 (1987)
98	AW	Larsson et al., "In vitro Binding of ^3H -Acetylcholine to Nicotinic Receptors in Rodent and Human Brain," <i>Journal of Neural Transmission</i> , 69:3-18 (1987)

FORM PTO-1449 US Department of Commerce Patent Trademark Office		ATTY-DOCKET NO. 1 9380	SERIAL NO. 07/938,154
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT HARPOLD et al.	
		59 MAY 10 1993 PAT. & TRADEMARK OFF.	FILED DATE 30-NOV-1992 GROUP
98	AX	Lathe, "Synthetic Oligonucleotide Probes Deduced from Amino Acid Sequence Data," <i>J. Mol. Biol.</i> 183 :1-12 (1985)	
98	AY	Luetje and Patrick, "Both α - and β -subunits Contribute to the Agonist Sensitivity of Neuronal Nicotinic Acetylcholine Receptors," <i>The Journal of Neuroscience</i> , 11 :837-845 (1991)	
98	AZ	Lukas, "Pharmacological Distinctions between Functional Nicotinic Acetylcholine Receptors on the PC12 Rat Pheochromocytoma and the TE671 Human Medulloblastoma," <i>The Journal of Pharmacology and Experimental Therapeutics</i> 251 :175-182 (1989)	
98	BA	Marshall et al., "Sequence and functional expression of a single α subunit of an insect nicotinic acetylcholine receptor," <i>The EMBO Journal</i> , 9 :4391-4398 (1990)	
98	BB	Nef et al., "Genes expressed in the brain define three distinct neuronal nicotinic acetylcholine receptors," <i>The EMBO Journal</i> , 7 :595-601 (1988)	
98	BC	Patrick et al., "Acetylcholine Receptor Metabolism in a Nonfusing Muscle Cell Line," <i>The Journal of Biological Chemistry</i> , 252 :2143-2153 (1977)	
98	BD	Quik and Geertsen, "Neuronal nicotinic α -bungarotoxin sites," <i>Can. J. Physiol. Pharmacol.</i> , 66 :971-979 (1988)	
98	BE	Schoepfer et al., "The human medulloblastoma cell line TE671 expresses a muscle-like acetylcholine receptor," <i>FEBS LETTERS</i> , 226 :235-240 (1988)	
98	BF	Stroud et al., "Nicotinic Acetylcholine Receptor Superfamily of Ligand-Gated Ion Channels," <i>Biochemistry</i> , 29 :11009-11023 (1990)	
98	BG	Subramani et al., "Expression of the Mouse Dihydrofolate Reductase Complementary Deoxyribonucleic Acid in Simian Virus 40," <i>Molecular and Cellular Biology</i> , 1 :854-864 (1981)	
98	BH	Sugaya et al., "Nicotinic Acetylcholine Receptor Subtypes in Human Frontal Cortex: Changes in Alzheimer's Disease," <i>Journal of Neuroscience Research</i> 27 :349-359 (1990)	
98	BI	Tanabe, et al., "A Family of Metabotropic Glutamate Receptors," <i>Neuron</i> , 8 :169-179 (1992)	

FORM PTO-1449 US Department of Commerce Patent and Trademark Office		ATTY DOCKET NO. P420380	SERIAL NO. 07/938,154
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT HARPOLD et al.	
		ISSUING DATE 30-NOV-1992	GROUP
28-	BJ	Wada et al., "Distribution of Alpha2, Alpha3, Alpha4, and Beta2 Neuronal Nicotinic Receptor Subunit mRNAs in the Central Nervous System: A hybridization Histochemical Study in the Rat," <i>The Journal of Comparative Neurology</i> , 284:314-335 (1989)	
28-	BK	Wada et al., "Functional Expression of a New Pharmacological Subtype of Brain Nicotinic Acetylcholine Receptor," <i>Science</i> , 240:330-334 (1988)	
28-	BL	Wood, "Gene Cloning Based on Long Oligonucleotide Probes," <i>Methods in Enzymology</i> , 152:443-447 (1987)	
EXAMINER John P. Lih		DATE CONSIDERED 2-19-94	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.